

Standard Work Units for Licensee Billing (4 pages)

STANDARD WORK UNITS for LICENSEE BILLING

<u>CODE</u>	<u>DESCRIPTION</u>	<u>MAN-HRS PER UNIT</u>	<u>UNIT</u>	<u>MATERIAL COST</u>
<u>STREET LIGHTS</u>				
1	Remove Slack in Street Light Service	1.00	Service	1.75
2	Install Molding	1.00	Piece	10.75
3	Remove Molding	1.00	Piece	0.00
4	Cut Lamp Lead & Remove Street Light Service	1.00	Service	0.00
5	Install 2C/10 (580) St. Light Service Complete	1.50	Service	16.51
6	Raise Series Lightning Bracket	2.50	Bracket	4.95
7	Ground Street Light Bracket	1.00	Bracket	0.00
<u>SECONDARY</u>				
8	Raise Secondary Rack	3.50	Each	26.59
9	Raise Secondary Rack (Backyard)	4.00	Each	26.59
10	Raise Secondary Dead End	2.00	Leg	17.92
11	Raise Secondary Dead End (Backyard)	2.50	Leg	17.92
12	Piece Out/Remove Slack in Secondary	2.50	Leg	33.67
13	Raise Secondary Wire	1.00	Leg	4.79
14	Install Secondary Taps	0.50	Leg	0.00
15	Install Secondary Jumpers and Taps	0.57	Leg	0.00
16	Remove Secondary Jumpers and Taps	0.28	Leg	0.00
<u>SERVICE</u>				
17	Raise Service	1.00	Service	21.01
18	Reshape Service	1.50	Service	21.56
19	Piece Out/Remove Slack in Service 1/0 or Smaller	5.50	Service	12.66
20	Piece Out/Remove Slack in Service 2/0 or Larger	5.50	Service	45.87
21	Raise Service (Backyard)	1.50	Service	21.01
22	Reshape Service (Backyard)	2.00	Service	21.56
23	Install Service 4c 1/0 al	5.00	Service	159.86
24	Remove Service	1.00	Service	0
25	Piece Out Fire Alarm/ Traffic Light Service	0.50	Service	3.57
<u>MESSENGER SERVICE</u>				
26	Raised Service Messenger	4.50	Each	13.15
27	Raised Service Messenger (Backyard)	5.00	Each	13.15
28	Install Breaker in Service Messenger	1.50	Each	7.02
29	Remove Slack in Service Messenger	1.50	Each	0.00
30	Ground Service Messenger	1.00	Each	24.23
<u>AERIAL CABLE</u>				
31	Raise Aerial Cable (Line)	6.00	Each	8.63
32	Install 1/2" Messenger for Pickup	6.50	Each	78.09
33	Raise Aerial Cable (Junction or Corner)	12.50	Each	16.04
34	Install Split Flex Non Metal Riser Extension 24"	2.00	Each	8.30

(Continued)

		<u>MAN-HRS</u>		<u>MATERIAL</u>
		<u>PER UNIT</u>	<u>UNIT</u>	<u>COST</u>
<u>PRIMARY</u>				
35	Raise Primary Cross Arm & Conductors	3.00	Each	75.09
36	Piece Out or Remove Slack in Primary	2.00	Phase	75.27
37	Raise Primary-4kv Construction	3.00	Phase	0.00
38	Raise Primary-13, 27 and 33kv Construction	3.00	Phase	0.00
39	Install Pole Top Extension	3.00	Pole	375.23
<u>REPLACE POLE</u>				
40	Install Pole 35'	12.50	Pole	265.27
41	Install Pole 40'	12.50	Pole	325.25
42	Install Pole 45'	12.50	Pole	348.29
43	Install Pole 50' or Greater	14.00	Pole	495.65
44	Remove Pole	5.50	Pole	3.86
45	Transfer Attachments-Sec.	1.00	Leg	7.17
46	Transfer Attachments- Primary-4kv	1.00	Phase	8.11
47	Transfer Attachments- Primary-13, 27 and 33kv	1.00	Phase	8.11
48	Transfer Attachments- Secondary (Dead End)	1.50	Leg	21.07
49	Transfer Attachments- Primary-4kv (Dead End)	2.00	Phase	40.74
50	Transfer Attachments- Primary-13, 27 and 33kv (Dead End)	3.50	Phase	186.55
51	Transfer Service	3.00	Service	22.95
52	Transfer Messenger Service	7.00	Service	43.15
53	Transfer Messenger	4.50	Each	10.57
54	Remove Service Messenger	1.50	Each	0.00
55	Transfer Aerial Cable	6.00	Cable	24.38
56	Transfer Aerial Cable (Self Supporting)	6.00	Cable	24.38
57	Transfer Head Guy	2.00	Guy	23.01
58	Install Anchor Guy	22.00	Guy	241.80
59	Remove Anchor Guy	4.00	Guy	8.10
60	Transfer Anchor Guy	1.50	Guy	24.10
61	Install Transformer 1 Phase 4kv	11.00	Each	459.59
62	Install Transformer 1 Phase 13kv, 27 and 33kv	12.00	Each	549.74
63	Install Transformer 3 Phase 4kv	16.00	Each	950.21
64	Install Transformer 3 Phase 13, 27 and 33kv	20.50	Each	1154.62
65	Remove Transformer 1 Phase 4kv	6.50	Each	4.52
66	Remove Transformer 1 Phase 13, 27 and 33kv	6.50	Each	4.52
67	Remove Transformer 3 Phase 4kv	12.00	Each	4.52
68	Remove Transformer 3 Phase 13, 27 and 33kv	13.50	Each	4.52
69	Transfer Riser Primary	4.50	Each	31.35
70	Transfer Riser Secondary/Service	4.50	Each	31.34
71	Install Cross Arm	1.50	Each	74.54
72	Remove Cross Arm	1.00	Each	0.00
73	Install Secondary Rack	1.00	Each	52.42
74	Remove Secondary Rack	1.00	Each	0.00
75	Install Tri-mount Bracket	1.50	Each	71.01
76	Remove Tri-mount Bracket	1.00	Each	0.00

(Continued)		MAN-HRS		MATERIAL
		<u>PER UNIT</u>	<u>UNIT</u>	<u>COST</u>
77	Install Pole Top Pin	1.00	Each	18.14
78	Remove Pole Top pin	1.00	Each	0.00
79	Install Primary Dead End Equipment 4kv	1.00	Phase	37.76
80	Install Primary Dead End Equipment 13, 27 and 33kv	3.00	Phase	196.59
81	Install Secondary Dead End Equipment	0.50	Leg	19.19
82	Install Lightning Arrestor 4kv	4.00	Phase	89.28
83	Install Lightning Arrestor 13, 27 and 33kv	4.00	Phase	136.67
84	Install Air Break Switch	6.00	Phase	319.20
85	Install Vacuum Recloser Switch 4kv	25.00	Each	22,796.20
86	Install Vacuum Recloser Switch 13, 27 and 33kv	28.50	Each	24,650.37
87	Install Gang Switch Horizontal	50.50	Each	5331.74
88	Install Gang Switch Vertical	33.00	Each	5834.06
89	Install Solid Blade Disc Switch	5.50	Phase	210.42
90	Install Auto (Esco) Switch	8.00	Phase	9451.34
91	Install Fused Cutout 4kv	5.50	Phase	463.24
92	Install Fused Cutout 13, 27 and 33kv	6.00	Phase	347.73
93	Install Step Regulator 4kv with Bypass Switch	16.00	Phase	2,063.37
94	Install Step Regulator 13, 27 and 33kv with Bypass Switch	16.00	Phase	2,079.99
95	Install Capacitors	15.00	Each	1,941.84
96	Install Ground Wire & Molding	4.00	Each	117.91
97	Relocate Street Light Relay	4.00	Each	2.70
98	Relocate Street Light Contactor	8.50	Each	2.70
99	Remove Primary Dead End Equipment 4kv	0.50	Phase	2.70
100	Remove Primary Dead End Equipment 13, 27 and 33kv	0.50	Phase	2.70
101	Remove Dead Service Cable	0.50	Service	2.70
102	Remove Secondary Dead End Equipment	0.50	Leg	2.70
103	Remove Lighting Arrestor 4kv	1.00	Phase	2.70
104	Remove Lighting Arrestor 13, 27 and 33kv	1.00	Phase	2.70
105	Remove Oil Switch	2.50	Phase	24.23
106	Remove Air Switch	4.00	Phase	43.90
107	Remove Vacuum Recloser Switch 4kv	12.00	Each	171.05
108	Remove Vacuum Recloser Switch 13, 27 and 33kv	12.00	Each	171.05
109	Remove Gang Switch (Horizontal)	12.00	Each	171.05
110	Remove Gang (Vertical)	12.00	Each	171.05
111	Remove Solid Blade Disc Switch	4.00	Phase	28.34
1.1.2	Remove Auto (Esco) Switch	2.00	Phase	28.34
113	Remove Fused Cutout 4kv or 13, 27 and 33kv	1.00	Phase	5.67
115	Remove Step Regulator 4kv & Bypass Switches	7.00	Phase	58.19
116	Remove Step Regulator 13, 27 and 33kv & Bypass Switches	9.50	Phase	58.19
117	Remove Secondary Capacitors	2.50	Each	3.57
118	Remove Capacitor 4kv	9.00	Each	3.57
119	Remove Capacitor 13, 27 and 33kv	11.00	Each	6.23
120	Remove Ground Wire & Molding	1.00	Each	0.00

(Continued)		MAN-HRS		MATERIAL
		<u>PER UNIT</u>	<u>UNIT</u>	<u>COST</u>
<u>GUYS</u>				
121	Raise Head Guy	3.00	Each	178.27
122	Lower Anchor Guy	3.00	Each	21.28
123	Install Breaker on Head Guy	1.50	Each	10.25
<u>SERVICE RISERS</u>				
124	Install Plastic Molding 12" (Backyard)	2.00	Each	12.50
125	Install Plastic Molding - to 12"	1.50	Each	12.50
126	Install Plastic Molding - 12" to 24"	1.50	Each	23.76
127	Install Plastic Molding - 24" to 36"	1.50	Each	41.33
128	Reshape Riser Service - 1/0 or Smaller	1.00	Leg	5.02
129	Reshape Riser Service - 1/0 or Larger	1.00	Leg	25.40
<u>MISC.</u>				
130	Tree Trimming	0.50	Each	0.00
131	Replace Sidewalk at Annual Contractor Cost Per Sq. Ft.	0.00	Sq. Ft.	6.40
132	Install Fiberglass Bracket Provided by CATV	1.50	Each	0.00
<u>POST-CONSTRUCTION</u>				
133	Inspection Per Walk	16.00	Each	0.00